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October 2, 2008

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Title: USE OF ANTIBODIES AGAINST THE MUC18 ANTIGEN
Letters Patent No. 7,090,844
Issued: August 15, 2006
Our Reference: ABGENIX.030C1

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As the errors cited in the Certificate of Correction were incurred through the fault of the Patent Office, no fee is believed to be required. However, please charge our Deposit Account No. 11-1410 for any fees that may be incurred with this request.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP



Susan L. Wang
Registration No. 53,742
Customer No. 20,995

Enclosures

5476859
060508

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,090,844
APPLICATION NO. : 10/660,357
ISSUE DATE : August 15, 2006
INVENTOR(S) : Bar-Eli et al.

Page 1 of 29

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the first page, Col. 1 (Assignee), line 1, please delete "Fremont, CA (US)" and insert --6701 Kaiser Drive, Fremont, CA (US) 94555--, therefor.

On the first page, Col. 2 (Other Publications), line 5, please delete "Onocology," and insert --Oncology--, therefor.

On the first page, Col. 2 (Other Publications), line 8, please delete "Bio," and insert --Bio--, therefor.

On the first page, Col. 2 (Other Publications), line 17, after "Receptor-Targeted" please insert --Therapy--.

On the first page, Col. 1 (Other Publications), line 2, please delete "Long" and insert --Longo--, therefor.

On Page 2, Col. 1 (Other Publications), line 27, please delete "of" and insert --on--, therefor.

On Page 2, Col. 1 (Other Publications), line 31, please delete "ovarian" and insert --ovarian--, therefor.

On Page 2, Col. 1 (Other Publications), line 38, please delete "T-Lymphocytes," and insert --T Lymphocytes,"--, therefor.

On Page 2, Col. 1 (Other Publications), line 55, please delete "Spread¹" and insert --Spread¹--, therefor.

On Page 2, Col. 1 (Other Publications), line 62, please delete "Breat" and insert --Breast--, therefor.

On Page 2, Col. 1 (Other Publications), line 64, please delete "Trough" and insert --Through--, therefor.

On Page 2, Col. 2 (Other Publications), line 18, please delete "tratment" and insert --treatment--, therefor.

MAILING ADDRESS OF SENDER:

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DOCKET NO. ABGENIX.030C1

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On Page 2, Col. 2 (Other Publications), line 32, please delete "tranplant" and insert --transplant--, therefor.

On Page 2, Col. 1 (Other Publications), line 58, please delete "62:5108" and insert --62:5106--, therefor.

In Col. 1, line 39, please delete "Devel," and insert --Devel.--, therefor.

In Col. 2, line 57, please delete "MUC-18" and insert --MUC18--, therefor.

In Col. 3, line 39, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 7, line 40, please delete "(85)." and insert --85)--, therefor.

In Col. 7, line 52, please delete "microbiology" and insert --Microbiology--, therefor.

In Col. 8, line 14, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 8, line 51, please delete "lymphomma," and insert --lymphoma--, therefor.

In Col. 8, line 67, please delete "glycoproteins" and insert --glycoproteins--, therefor.

In Col. 9, line 24, please delete "Biol" and insert --Biol.--, therefor.

In Col. 9, line 25, please delete "et al." and insert --et al.--, therefor.

In Col. 9, line 44, please delete "e" and insert --ε--, therefor.

In Col. 9, line 45, please delete "subuniit" and insert --subunit--, therefor.

In Col. 10, line 16, please delete "pertinacious" and insert --proteinaceous--, therefor.

In Col. 12, line 33, please delete "Carrying" and insert --Carrying--, therefor.

In Col. 13, line 22, please delete "MC11" and insert --MC.-11--, therefor.

In Col. 13, line 53-54, please delete "hydroxylapatiite" and insert --hydroxylapatite--, therefor.

In Col. 14, line 39, please delete "oncoprotein" and insert --oncoprotein--, therefor.

In Col. 15, line 32 (approx.), please delete "et al," and insert --et al.--, therefor.

In Col. 21, lines 39-42 (approx.), please delete "Forward primer: 5'-ATATTACGAATTCAC-

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TGCGTCTCGCCCTCCGG-3'(SEQ ID NO :83) Reverse primer: 5'-
CAGCTTAGAGCTAGCCGGCTCTCCG-GCTCCGGCA-3'(SEQ ID NO:-14 84)"

In Col. 23, line 24, please delete "c6.12," and insert --c6.12.--, therefor.

In Col. 23, line 36, please delete "(c6.11)," and insert --(c6.11).--, therefor.

In Col. 24, line 13 (approx.), please delete "400μl" and insert --400 μl--, therefor.

In Col. 24, line 27, please delete "nonrmetastatic" and insert --nonmetastatic--, therefor.

In Col. 26, line 59 (approx.), please delete "pnase," and insert --phase--, therefor.

In Col. 27, line 59, please delete "anti-MUC 18" and insert --anti-MUC18--, therefor.

In Col. 28, line 44 (approx.), please delete "Matrigel- Coated" and insert --Matrigel-Coated--, therefor.

In Col. 57, please insert:

--<210> 41

<211> 97

<212> PRT

<213> Homo sapiens

<400> 41

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Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile	
		35				40					45				
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55				60					
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75				80	
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

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<211> 96
<212> PRT
<213> Homo sapiens

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35 40 45
Gly Tyr Ile Tyr Tyr Ser Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser
50 55 60
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<211> 95
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35 40 45
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

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65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 85 90 95

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Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
          35          40          45
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
          50          55          60
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
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Asp Phe Ala Thr Tyr Tyr Cys Gln Ser Tyr Ser Thr Pro
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      20             25             30
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu

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PTO/SB/44 Equivalent

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35	40	45
Trp 50	Ile 55	Tyr 60
Gly	Tyr	Tyr
Tyr	Ser	Asn
Ile	Gly	Pro
Tyr	Ser	Ser
Val	Thr	Thr
Thr	Ile	Ser
Ser	Val	Lys
Arg	Asp	Asn
Leu	Thr	Gln
Lys	Ala	Phe
Ser	Ala	80
Leu	Asp	75
Lys	Thr	90
Leu	Ala	95
Ser	Val	Tyr
Ser	Thr	Tyr
Val	Ala	
Thr	Val	
Ala	Tyr	
Ala	Tyr	
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Ser	Gln	Ser	Gln
Thr	Leu	Ser	Leu
Ser	Leu	Thr	Cys
Thr	Cys	Thr	Val
Val	Ser	Gly	Gly
Ser	Gly	Gly	Ser
Ile	Ser	Ile	Ser
Ser	Ser	Gly	Gly
Leu	Glu	Gly	Lys
Gly	Tyr	Tyr	Trp
Trp	Ser	Trp	Ile
Ile	Arg	Gln	His
Pro	Gly	Lys	Gly
Leu	Glu	Gly	Lys
Trp	Ile	Gly	Phe
Ile	Tyr	Tyr	Ser
Tyr	Tyr	Ser	Gly
Ser	Gly	Ser	Thr
Thr	Tyr	Tyr	Asn
Pro	Ser	Pro	Ser
Ser	Val	Thr	Ile
Thr	Ile	Ser	Val
Asp	Thr	Ser	Lys
Asn	Gln	Phe	80
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Val	Thr	Ile	Ser
Thr	Val	Ala	Ala
Asp	Thr	Ala	90
Thr	Ala	Val	Tyr
Tyr	Tyr	Tyr	95
Val	Tyr	Tyr	
Ala	Tyr	Tyr	
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Cys	Tyr	Tyr	

<210> 47
<211> 95
<212> PRT
<213> Homo sapiens

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<400> 47

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			20					25					30		
Leu	Gly	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Arg	Leu	Ile
		35					40					45			
Tyr	Ala	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75					80
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				85					90					95	

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			20					25					30		
Leu	Gly	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Arg	Leu	Ile
		35					40					45			
Tyr	Ala	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75					80
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Leu	Gln	His	Asn	Ser	Tyr	Pro	
				85					90					95	

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<210> 49
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35 40 45
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50 55 60
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35 40 45
Gly Tyr Ile Tyr Tyr Ser Ser Ser Asn Tyr Asn Pro Ser Leu Lys Ser
50 55 60
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
65 70 75 80

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35 40 45
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
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20 25 30
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35 40 45
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

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50	55	60
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Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro		80
85	90	95

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Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

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1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Tyr Gly	20	25	30
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Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu Gln Gly	50	55	60
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Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr	65	70	75	80
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Tyr Tyr Ser Thr Pro	100			

<210> 56

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<211> 98
<212> PRT
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Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val Pro
50 55 60
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35 40 45
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
50 55 60
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
65 70 75 80

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85 90 95
Cys Ala Arg

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Gly Tyr Ile Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys Ser
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Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro
65 70 75 80
Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Asn Leu Pro
85 90 95

<210> 60
<211> 92
<212> PRT
<213> Homo sapiens

<400> 60
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Asn Tyr Leu
20 25 30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45
Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Leu Gln Pro Glu Asp
65 70 75 80
Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Leu Pro
85 90

<210> 61
<211> 98
<212> PRT
<213> Homo sapiens

<400> 61
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr

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20	25	30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
85	90	95
Ala Arg		

<210> 62
<211> 98
<212> PRT
<213> Homo sapiens

<400> 62

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg		
1	5	10
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr		
20	25	30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
85	90	95
Ala Arg		

<210> 63

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<211> 95
<212> PRT
<213> Homo sapiens

<400> 63
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr
20 25 30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile
35 40 45
Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80
Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro
85 90 95

<210> 64
<211> 91
<212> PRT
<213> Homo sapiens

<400> 64
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Asn Tyr Leu
20 25 30
Ala Trp Tyr Gln Gln Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala
35 40 45
Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
50 55 60
Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp
65 70 75 80
Val Ala Thr Tyr Tyr Cys Gln Lys Phe Ser Pro
85 90

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<210> 65
<211> 99
<212> PRT
<213> Homo sapiens

<400> 65
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly
20 25 30
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
35 40 45
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
50 55 60
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
65 70 75 80
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95
Cys Ala Arg

<210> 66
<211> 95
<212> PRT
<213> Homo sapiens

<400> 66
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser
1 5 10 15
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp
20 25 30
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
35 40 45
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg

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50		55		60											
Ile	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu	Lys	Leu
65					70					75					80
Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	
				85					90					95	

<210> 67
<211> 107
<212> PRT
<213> Homo sapiens

<400> 67

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Ile	Ser	Asn	Asn
			20					25					30		
Phe	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
		35					40					45			
Phe	Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
	50					55					60				
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser
65					70					75					80
Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr	Asn	Asn	Trp	Pro	Arg
				85					90					95	
Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys					
			100					105							

<210> 68
<211> 93
<212> PRT
<213> Homo sapiens

<400> 68

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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1	5	10	15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Ala			
	20	25	30
Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Phe Gly			
	35	40	45
Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly			
	50	55	60
Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp			
65	70	75	80
Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro			
	85	90	

<210> 69
<211> 97
<212> PRT
<213> Homo sapiens

<400> 69

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu			
1	5	10	15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr			
	20	25	30
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile			
	35	40	45
Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys			
	50	55	60
Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu			
65	70	75	80
Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala			
	85	90	95

Arg

<210> 70

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<211> 94
<212> PRT
<213> Homo sapiens

<400> 70
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr
20 25 30
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Tyr Ile Tyr Tyr Ser Gly Thr Tyr Asn Pro Ser Leu Lys Ser Arg
50 55 60
Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu
65 70 75 80
Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
85 90

<210> 71
<211> 100
<212> PRT
<213> Homo sapiens

<400> 71
Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15
Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser
20 25 30
Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45
Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro
50 55 60
Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80
Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala
85 90 95

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Leu Gln Thr Pro
100

<210> 72

<211> 96

<212> PRT

<213> Homo sapiens

<400> 72

Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Leu	Ser	Leu	Pro	Val	Pro	Gly	Glu
1				5					10					15	
Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ser	Ser	Gln	Ser	Leu	Leu	Ser	Asn	Gly
		20						25					30		
Asn	Tyr	Leu	Asp	Trp	Tyr	Leu	Gln	Lys	Pro	Gly	Gln	Ser	Pro	Gln	Leu
	35					40						45			
Leu	Ile	Tyr	Leu	Gly	Ser	Asn	Arg	Ala	Ser	Gly	Val	Pro	Asp	Arg	Phe
	50					55					60				
Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Lys	Ile	Ser	Arg	Val
65					70					75				80	
Glu	Ala	Asp	Asp	Val	Gly	Ile	Tyr	Tyr	Cys	Met	Gln	Ala	Leu	Gln	Pro
				85					90					95	

<210> 73

<211> 99

<212> PRT

<213> Homo sapiens

<400> 73

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Gly	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys	Gly	Leu	Glu
	35					40						45			
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe

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65	70	75	80
Ser Leu Lys Leu	Ser Ser Val Thr Ala	Ala Asp Thr Ala Val	Tyr Tyr
	85	90	95
Cys Ala Arg			

<210> 74
<211> 95
<212> PRT
<213> Homo sapiens

<400> 74
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser
1 5 10 15
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp
20 25 30
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
35 40 45
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg
50 55 60
Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu
65 70 75 80
Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
85 90 95

<210> 75
<211> 95
<212> PRT
<213> Homo sapiens

<400> 75
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn

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20	25	30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile		
35	40	45
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly		
50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser		
65	70	75
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro		
85	90	95

<210> 76
<211> 93
<212> PRT
<213> Homo sapiens

<400> 76

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly		
1	5	10
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Ala		
20	25	30
Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Phe Gly		
35	40	45
Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly		
50	55	60
Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp		
65	70	75
Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro		
85	90	

<210> 77
<211> 99
<212> PRT
<213> Homo sapiens

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<400> 77

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Gly	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
65					70					75					80
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
				85					90					95	
Cys	Ala	Arg													

<210> 78

<211> 98

<212> PRT

<213> Homo sapiens

<400> 78

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Tyr	His	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

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Ala Arg

<210> 79
<211> 95
<212> PRT
<213> Homo sapiens

<400> 79
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn
20 25 30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro
85 90 95

<210> 80
<211> 105
<212> PRT
<213> Homo sapiens

<400> 80
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Asn Leu
20 25 30
Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr
35 40 45
Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu

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65	70	75	80
Asp Phe Ala Val	Tyr Tyr Cys Gln Gln	Tyr Asn Asn Trp Pro	Trp Gly
	85	90	95
Gln Gly Thr Leu	Val Thr Val Ser Ser		
	100	105	

<210> 81
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 81

Gln Val Gln Leu Glu Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly
20 25 30
Thr Tyr His Trp Ser Trp Ile Arg Gln His Pro Gly Arg Gly Leu Glu
35 40 45
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser
50 55 60
Leu Lys Ser Arg Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
65 70 75 80
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95
Cys Ala Arg Gly Gly Asp Gly Tyr Arg Tyr
100 105

<210> 82
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 82

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly

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1	5	10	15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn			
	20	25	30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile			
	35	40	45
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly			
	50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser			
65	70	75	80
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro			
	85	90	95

<210> 83
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer sequence

<400> 83
atattacgaa ttcacttgcg tctcgccctc cgg 33

<210> 84
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer sequence

<400> 84
cagcttagag ctagccggct ctccggctcc ggca 34

<210> 85

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PATENT NO. : 7,090,844
APPLICATION NO. : 10/660,357
ISSUE DATE : August 15, 2006
INVENTOR(S) : Bar-Eli et al.

Page 28 of 29

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DOCKET NO. ABGENIX.030C1

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In Col. 58, line 21, claim 15, please delete "9, 13," and insert --9, 13--, therefor.

5473563; 060408

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